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Attorney Docket No. 5649.1195

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Hwang et al.

Application No.: 10/695,553

Group Art Unit: 2818

Filed: October 28, 2003

Confirmation No.: 5476

For: *Phase Changeable Memory Devices and Methods of Forming the Same in Which an Upper Electrode Includes a Tip that Extends Toward a Lower Electrode*

July 2, 2004

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. § 1.97(b)

Sir:

Attached is a list of documents on Form PTO-1449. A copy of any listed U.S. patent and/or U.S. patent application publication is not provided herewith in accordance with the waiver by the U.S. Patent and Trademark Office of requirements under 37 C.F.R. § 1.98(a)(2)(i) for all U.S. national patent applications filed after June 30, 2003 and for all international applications that have entered the national stage under 35 USC § 371 after June 30, 2003.

It is requested that these documents be considered by the Examiner and officially made of record in accordance with the provisions of 37 C.F.R. § 1.56 and Section 609 of the MPEP.

No fee is believed due. However, the Commissioner is hereby authorized to charge any deficiency or credit any overpayment to Deposit Account No. 50-0220.

Respectfully submitted,

D. Scott Moore

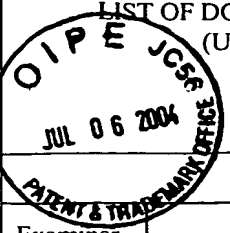
Registration No. 42,011

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CERTIFICATE OF MAILING UNDER 37 CFR § 1.8

I hereby certify that this paper or fee is being deposited with the United States Postal Service under 37 CFR 1.8 and is addressed to Mail Stop Amendment, Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on July 2, 2004.

Elizabeth J. Porter

FORM PTO-1449 U.S. Department of Commerce Patent and Trademark Office LIST OF DOCUMENTS CITED BY APPLICANT (Use several sheets if necessary)				Attorney Docket Number 5649-1195		Serial No. 10/695,553	
				Applicants: Hwang et al.			
				Filing Date: October 28, 2003		Group: 2818	
U. S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
	1.	6,117,720	9/12/2000	Harshfield	438	238	
FOREIGN PATENT DOCUMENTS							
		Document Number	Date	Country	Class	Subclass	Translation Yes No
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)							

EXAMINER _____
 *EXAMINER _____

DATE CONSIDERED _____

Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.